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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/955,315

DATE: 12/11/2001

TIME: 15:48:51

Input Set : A:\032301.227.seq.ST25.txt
Output Set: N:\CRF3\12112001\I955315.raw

ENTERED

3 <110> APPLICANT: Bathe, Brigitte
5 <120> TITLE OF INVENTION: NUCLEOTIDE SEQUENCES WHICH CODE FOR THE dps GENE
7 <130> FILE REFERENCE: 032301W227
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/955,315
C--> 9 <141> CURRENT FILING DATE: 2001-12-11
9 <160> NUMBER OF SEQ ID NOS: 4
11 <170> SOFTWARE: PatentIn version 3.1
13 <210> SEQ ID NO: 1
14 <211> LENGTH: 1377
15 <212> TYPE: DNA
16 <213> ORGANISM: Corynebacterium glutamicum
18 <220> FEATURE:
19 <221> NAME/KEY: CDS
20 <222> LOCATION: (504)..(998)
21 <223> OTHER INFORMATION:
24 <400> SEQUENCE: 1
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27 tcctccccgtc gaaaaagggtgc aggcgaatct gcccgcgggt ttcttccgc当地 ggttcaaact 120
29 gcaacgtgccc aatcagcccc aaatggatata acaaaaatgtg ctcagggtga tccgc当地 catcga 180
31 actcgacgaa caggtgcttg cctgtaaggctt cc当地 caaccgc gatgc当地 cgggtga cc当地 gtatgatga 240
33 tcgc当地 cttc agaagtaaaag cgtc当地 ctttagtggc gt当地 gaatgtggc gtccaaaatg gt当地 atcgc当地 ccaa 300
35 aattcttggt gagttccccca gctagtc当地 gat当地 acatcgat gaatcacgtg tc当地 cttc当地 gaggc当地 ataatcacca 360
37 accttagtag cc当地 ggtgtgccc gattt当地 gataaa aaaactaaggc gt当地 ggcc当地 ct当地 gtc当地 gcaatcggca 420
39 ct当地 tcaggat aggacaacctt aatataaata agcttaggct aaggccgggt gacaatttat 480
41 caaggc当地 gtc当地 tataataggg gtc atg gca aac tac aca gtc cct gga atc aac 533
42 Met Ala Asn Tyr Thr Val Pro Gly Ile Asn
43 1 5 10
45 gag aat gac gca aag cag ctt att gat gga ctg cag gag cgt ctc acc 581
46 Glu Asn Asp Ala Lys Gln Leu Ile Asp Gly Leu Gln Glu Arg Leu Thr
47 15 20 25
49 gac tac aac gat ctt cac ctc atc ttg aag cac gtg cac tgg aac gtc 629
50 Asp Tyr Asn Asp Leu His Leu Ile Leu Lys His Val His Trp Asn Val
51 30 35 40
53 act ggc ccc aac ttc att gct gtt cac gaa atg ctc gac cca cag gtt 677
54 Thr Gly Pro Asn Phe Ile Ala Val His Glu Met Leu Asp Pro Gln Val
55 45 50 55
57 gac ctt gtt cgt ggc tat gct gac gaa gtt gca gag cgc att tcc acc 725
58 Asp Leu Val Arg Gly Tyr Ala Asp Glu Val Ala Glu Arg Ile Ser Thr
59 60 65 70
61 ctc gga ggc gca cca gtt gga acc cca gaa ggc cac gtt gct gac cgc 773
62 Leu Gly Gly Ala Pro Val Gly Thr Pro Glu Gly His Val Ala Asp Arg
63 75 80 85 90
65 acc cca ctg caa tat gag cgc aat gcc gga aat gtc caa gca cac ctc 821
66 Thr Pro Leu Gln Tyr Glu Arg Asn Ala Gly Asn Val Gln Ala His Leu
67 95 100 105
69 act gac ctc aat cgc gtg tac acc caa gtg ctg acc gga gtt cgc gag 869
70 Thr Asp Leu Asn Arg Val Tyr Thr Gln Val Leu Thr Gly Val Arg Glu

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71	110	115	120	
73	tcc atg gca tca gcc ggc cca gtg gat cca gta act gaa gac atc tac			917
74	Ser Met Ala Ser Ala Gly Pro Val Asp Pro Val Thr Glu Asp Ile Tyr			
75	125	130	135	
77	atc agc cag gcc gcg gag ctg gag aaa ttc cag tgg ttc atc cgc gca			965
78	Ile Ser Gln Ala Ala Glu Leu Glu Lys Phe Gln Trp Phe Ile Arg Ala			
79	140	145	150	
81	cac att gtt gat gta gac gga aac atc caa gag taaaacgtcg aaaagcgtta			1018
82	His Ile Val Asp Val Asp Gly Asn Ile Gln Glu			
83	155	160	165	
85	aggcgctgac ccccaccagc cgggggtca gtggcttcct tagtgcaaaa atccaccaca			1078
87	aaatttttga tcctgaaatt tgggtggat ttttgcactt ttcgtcgccg gatcctgcac			1138
89	gaatccacca cagactccgg aatttgcgtt gggatgtggt ggatccttgc tggaaacct			1198
91	cacaggaggt gcaagttggg ggacggagtg ttgggattgc taaaattcgt tcgattttta			1258
93	agttctccgc tgatctgtaa cgagaagttg aacagtcaac ctgcagtgac cccgcaggaa			1318
95	tcacagcagc ctcacatcgcc tcaaaaagtagaa cgctcctaga atcgcctcta agggcctaa			1377
98	<210> SEQ ID NO: 2			
99	<211> LENGTH: 165			
100	<212> TYPE: PRT			
101	<213> ORGANISM: Corynebacterium glutamicum			
103	<400> SEQUENCE: 2			
105	Met Ala Asn Tyr Thr Val Pro Gly Ile Asn Glu Asn Asp Ala Lys Gln			
106	1	5	10	15
109	Leu Ile Asp Gly Leu Gln Glu Arg Leu Thr Asp Tyr Asn Asp Leu His			
110	20	25	30	
113	Leu Ile Leu Lys His Val His Trp Asn Val Thr Gly Pro Asn Phe Ile			
114	35	40	45	
117	Ala Val His Glu Met Leu Asp Pro Gln Val Asp Leu Val Arg Gly Tyr			
118	50	55	60	
121	Ala Asp Glu Val Ala Glu Arg Ile Ser Thr Leu Gly Gly Ala Pro Val			
122	65	70	75	80
125	Gly Thr Pro Glu Gly His Val Ala Asp Arg Thr Pro Leu Gln Tyr Glu			
126	85	90	95	
129	Arg Asn Ala Gly Asn Val Gln Ala His Leu Thr Asp Leu Asn Arg Val			
130	100	105	110	
133	Tyr Thr Gln Val Leu Thr Gly Val Arg Glu Ser Met Ala Ser Ala Gly			
134	115	120	125	
137	Pro Val Asp Pro Val Thr Glu Asp Ile Tyr Ile Ser Gln Ala Ala Glu			
138	130	135	140	
141	Leu Glu Lys Phe Gln Trp Phe Ile Arg Ala His Ile Val Asp Val Asp			
142	145	150	155	160
145	Gly Asn Ile Gln Glu			
146	165			
149	<210> SEQ ID NO: 3			
150	<211> LENGTH: 28			
151	<212> TYPE: DNA			
152	<213> ORGANISM: Corynebacterium glutamicum			
154	<400> SEQUENCE: 3			
155	caggtaccat aagcttaggc taagggcc			

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158 <210> SEQ ID NO: 4
159 <211> LENGTH: 28
160 <212> TYPE: DNA
161 <213> ORGANISM: Corynebacterium glutamicum
163 <400> SEQUENCE: 4
164 tgtctagac actaaggaag ccactgac

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VERIFICATION SUMMARY

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date